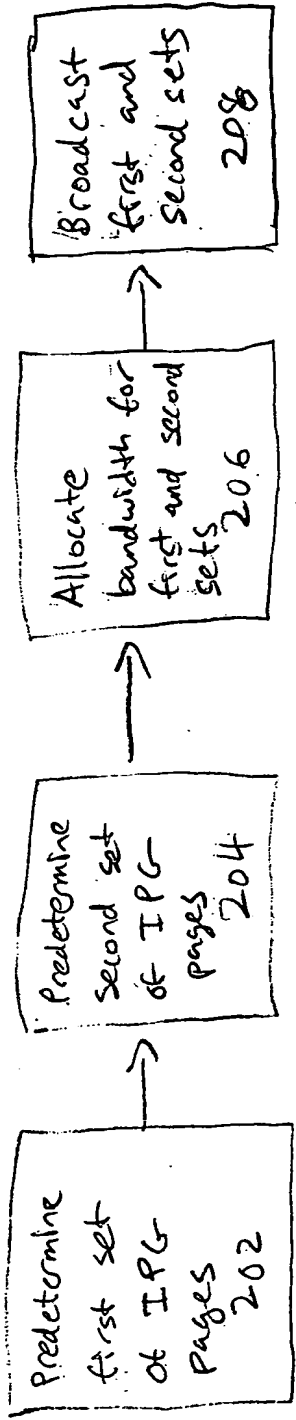
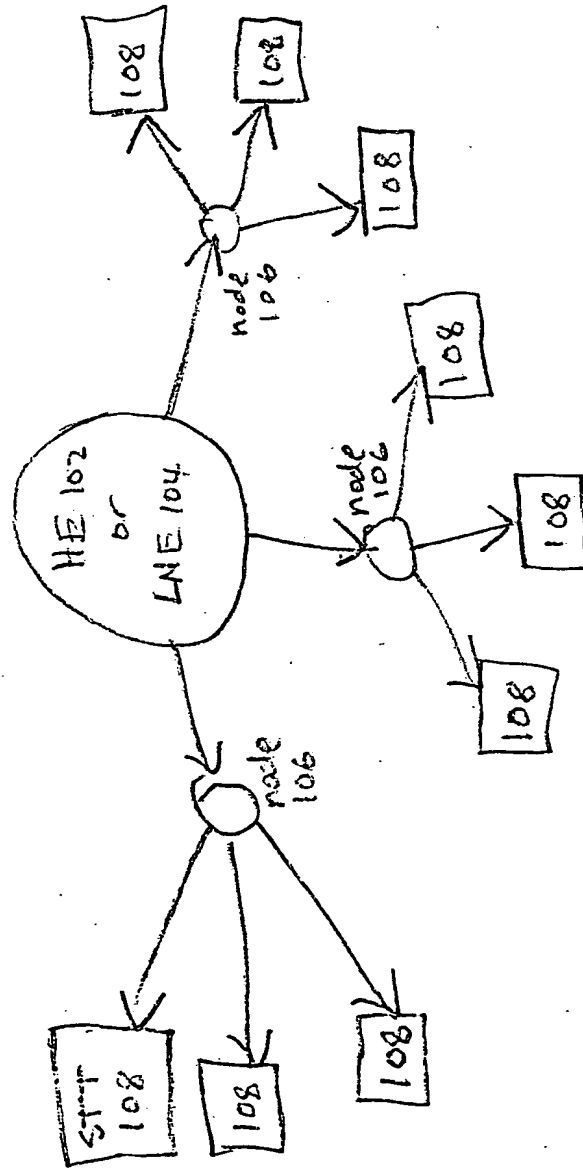


Fig. 1 100



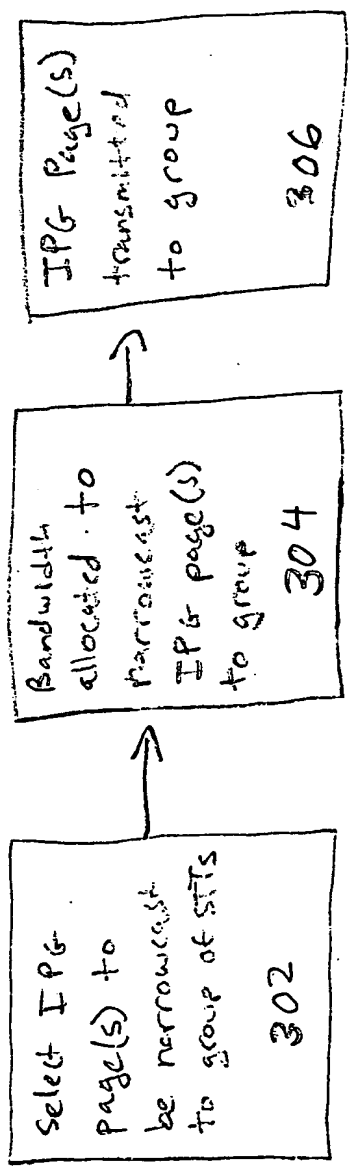
First Push Demandcast (Broadcast) Method

Fig. 2A



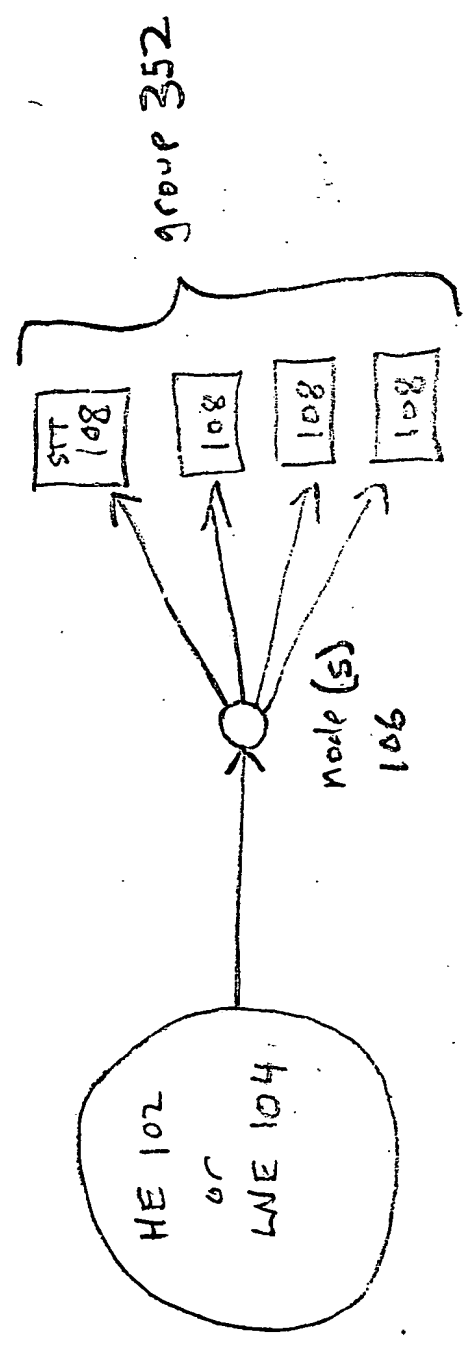
First Push DemandCast (Broadcast) Topology

Fig. 2B



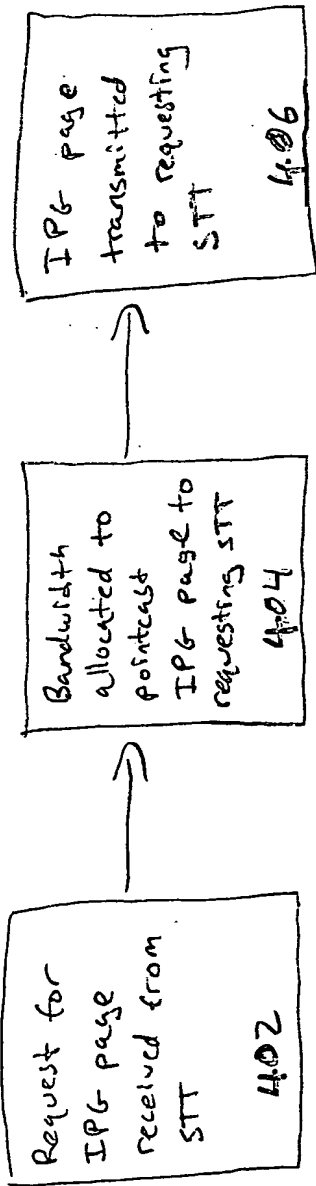
Second Push Demandcast (Narrowcast) method 300

Fig. 3A



Second Push Demandcast (Narrowcast) Topology 350

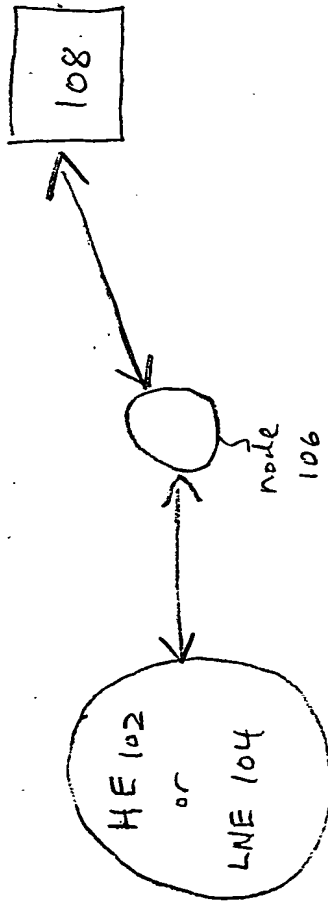
Fig. 3B



First Pull Demandcast (pointcast) method

400

Fig. 4A



First Pull Demandcast (pointcast) Topology

450

Fig. 4B

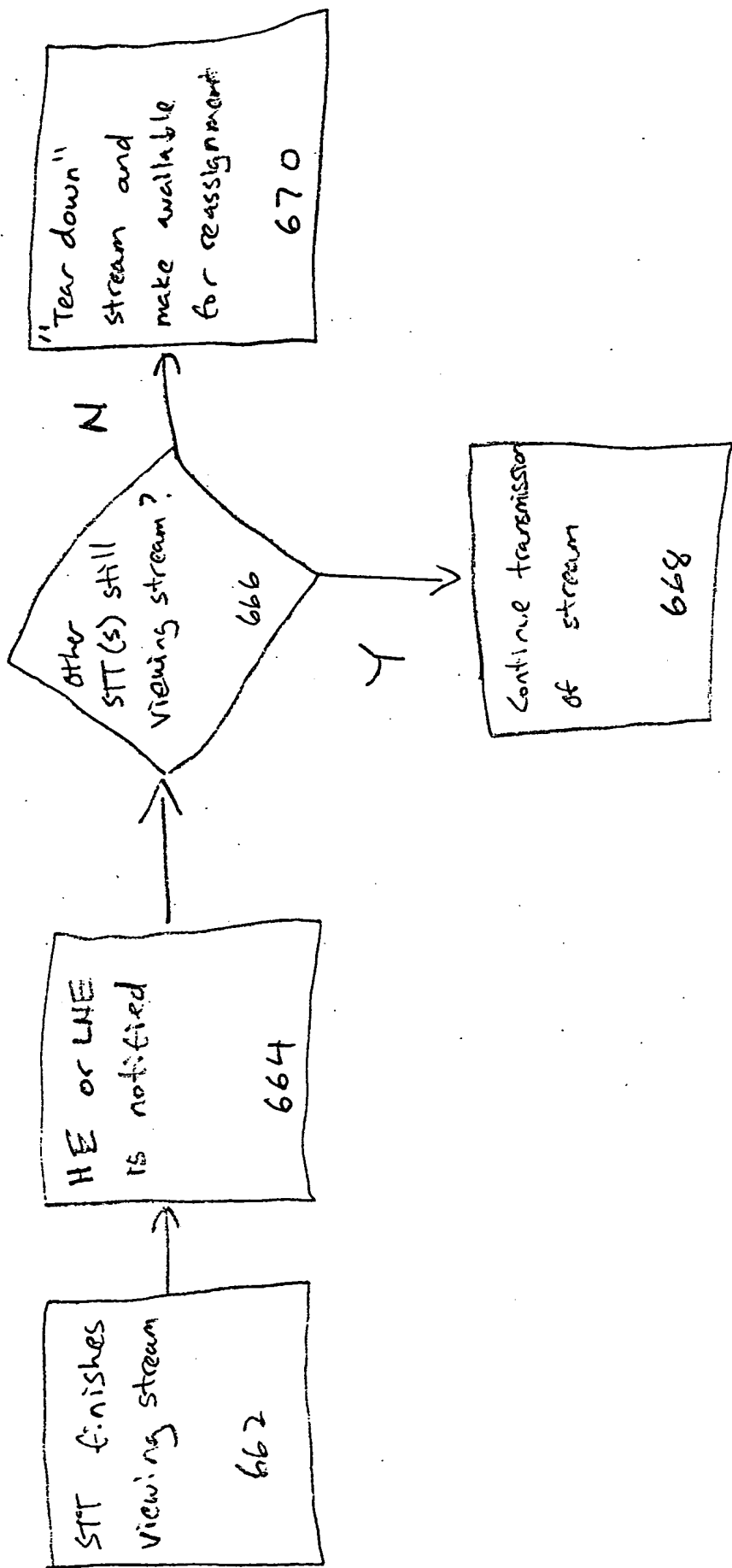
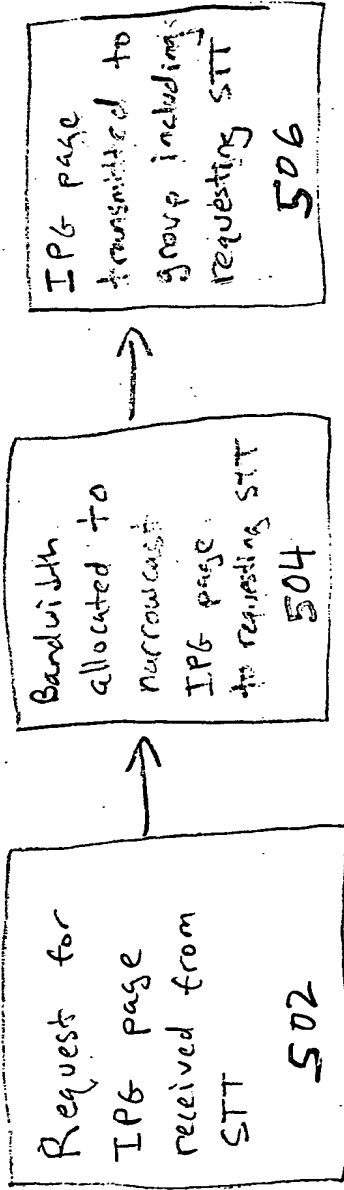
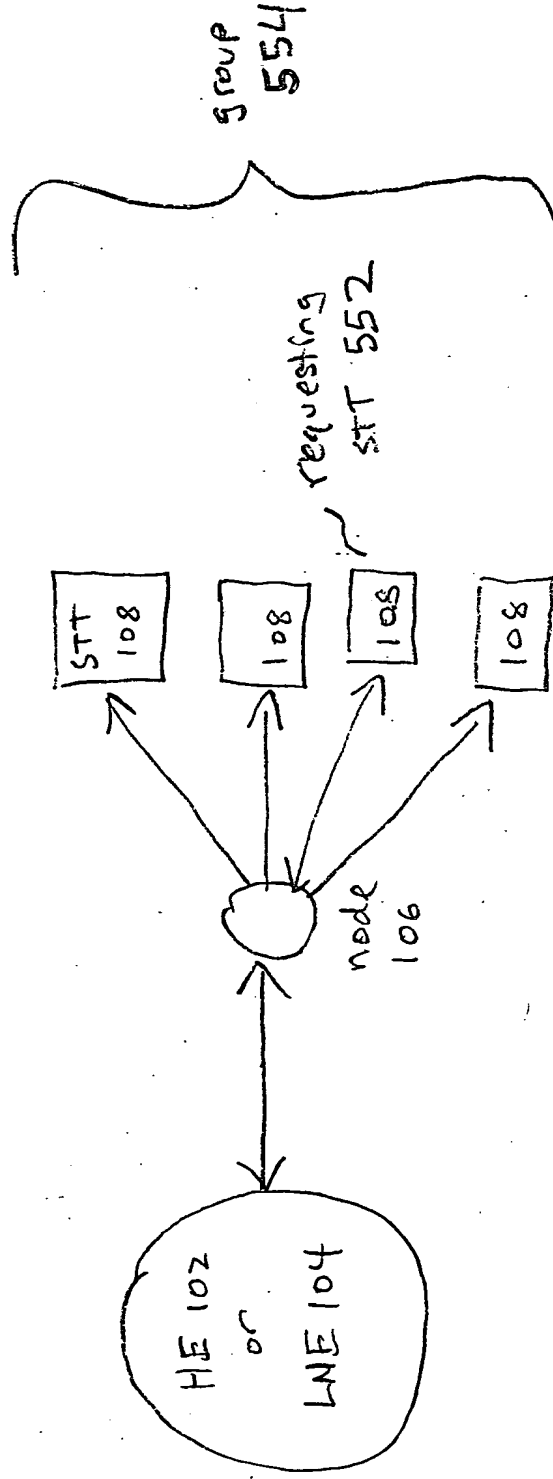


Fig. 6C 660



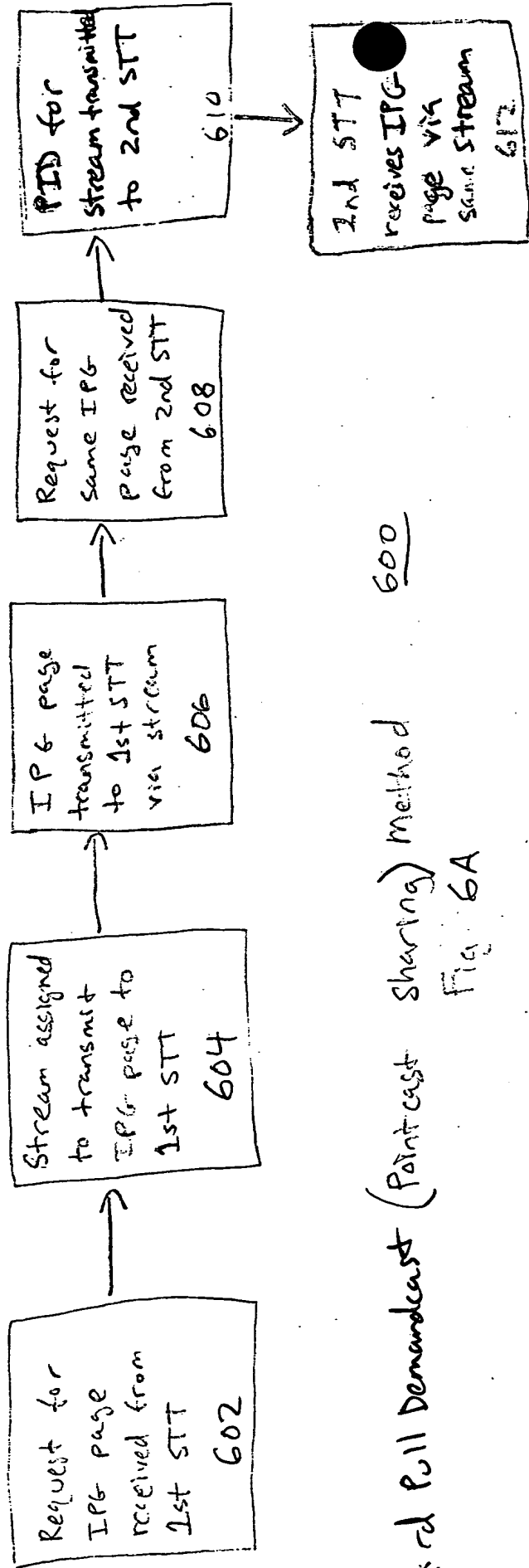
Second Pull Demandcast (Narrowcast) Method 500

Fig. 5A

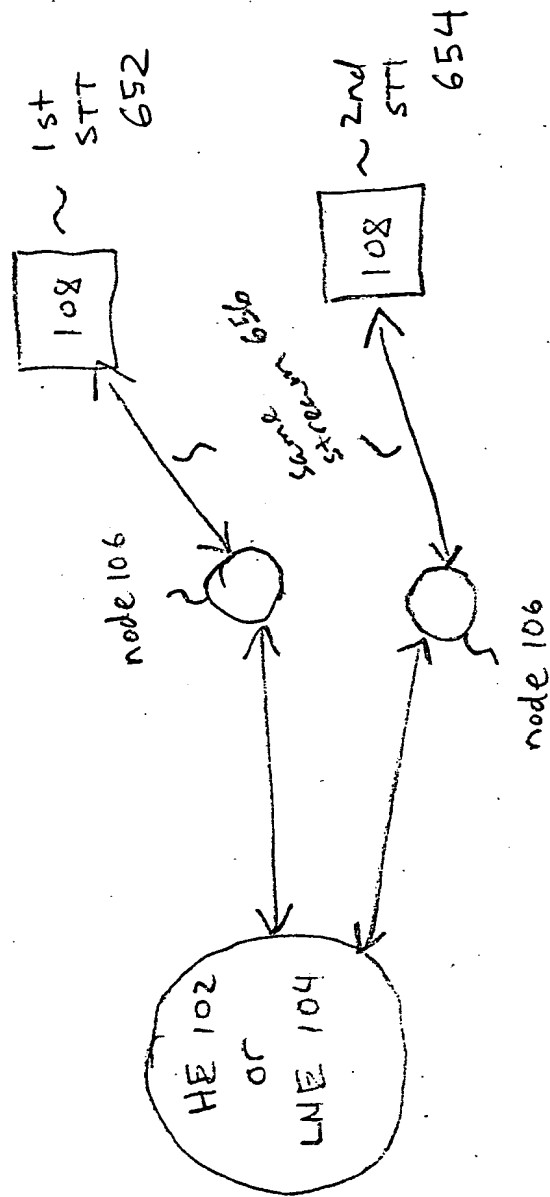


Second Pull Demandcast (Narrowcast) Topology 550

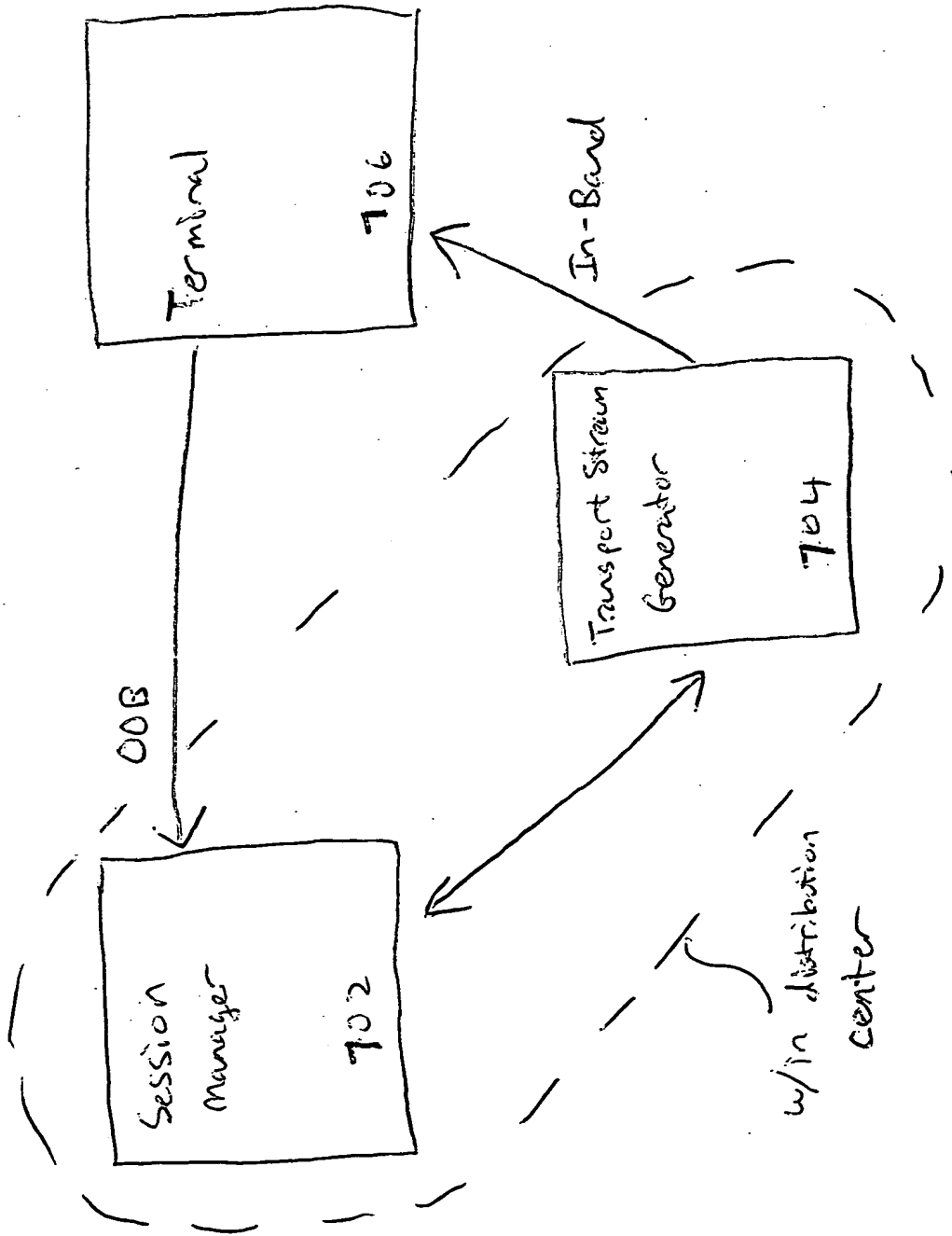
Fig. 5B



Third Pull Demandcast (Pointcast Sharing) Method 600
Fig. 6A

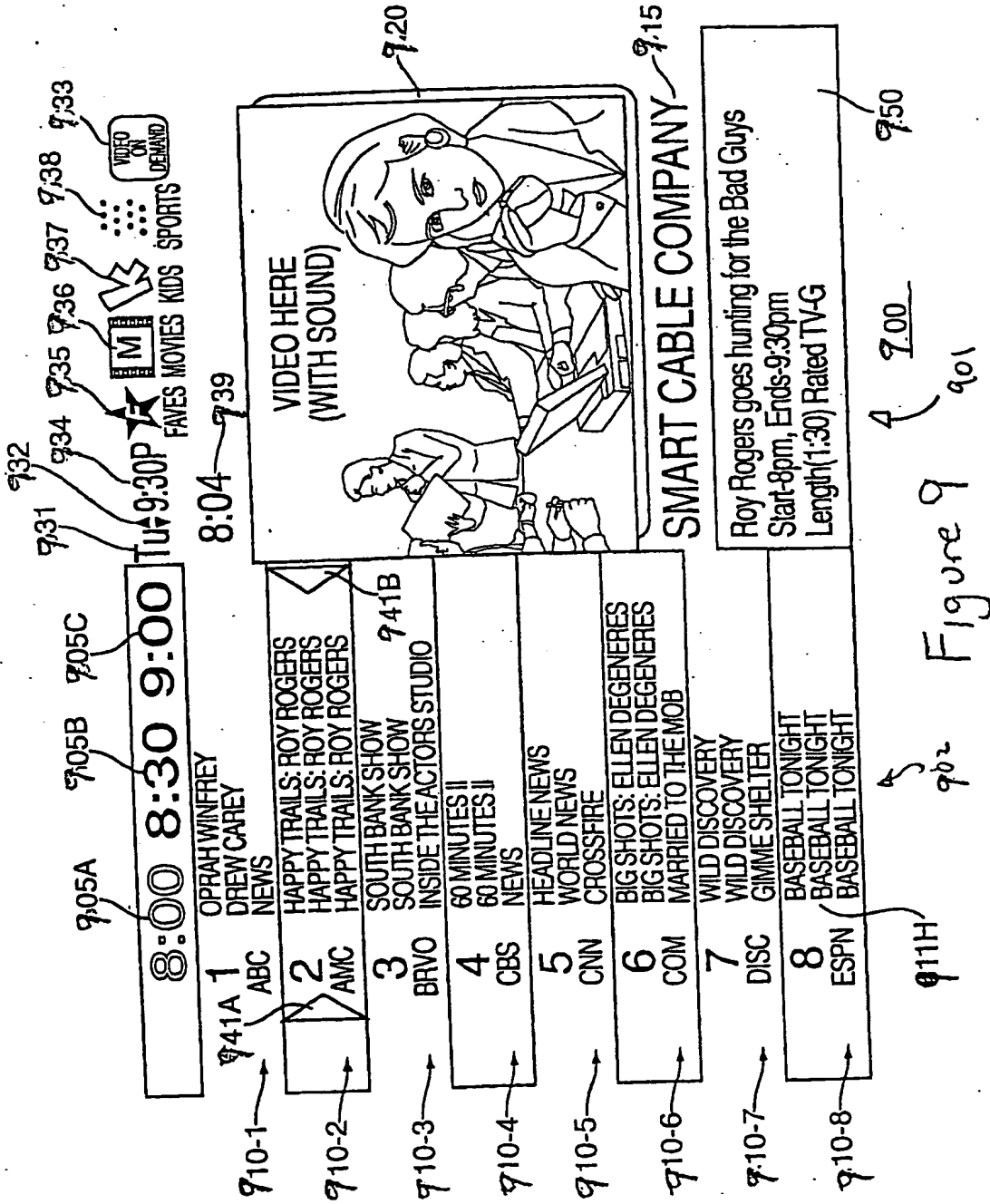


Third Pull Demandcast (Pointcast Sharing) Topology 650
Fig. 6B



100

Fig. 7



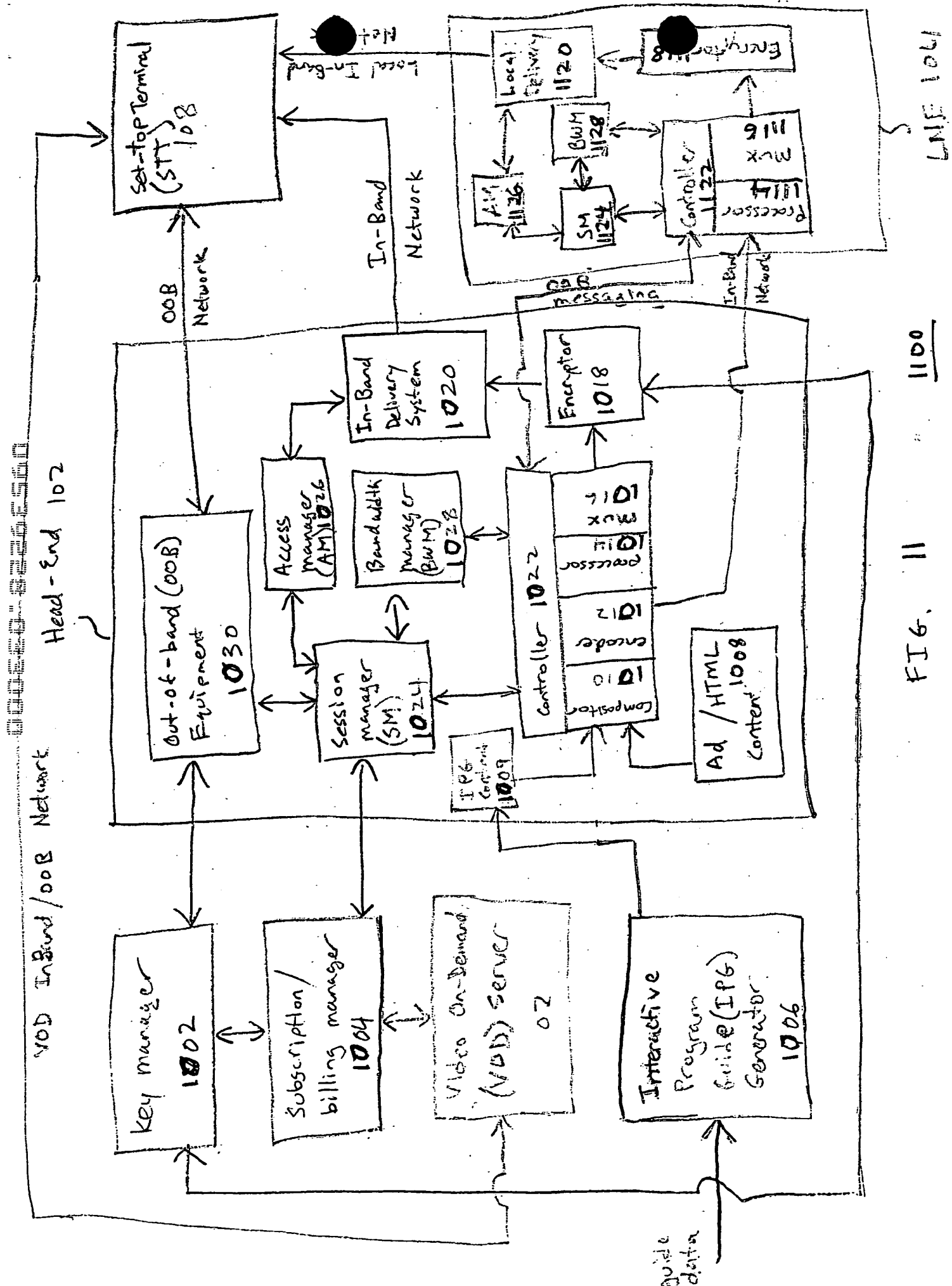
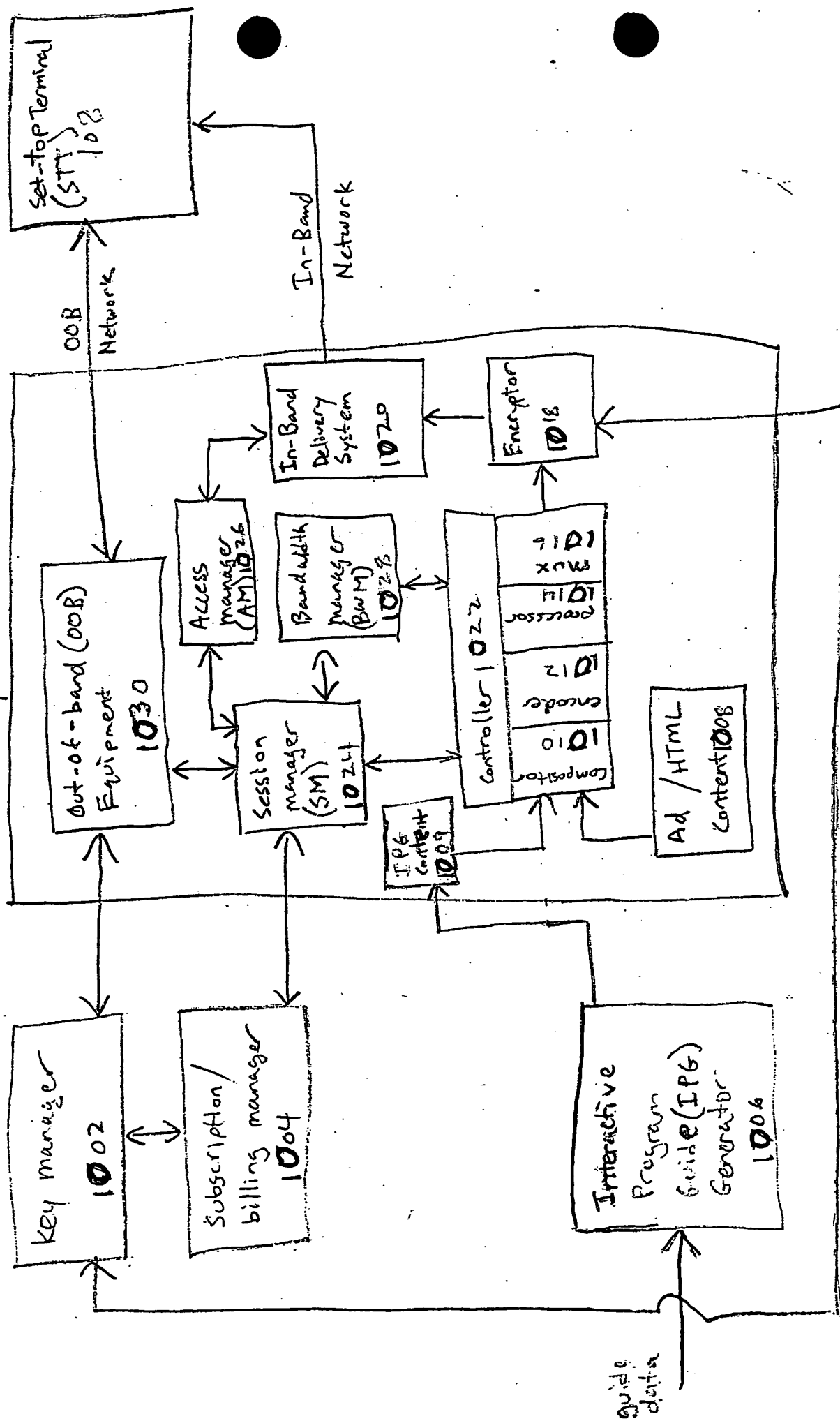


FIG. 11

1100

1061



1990

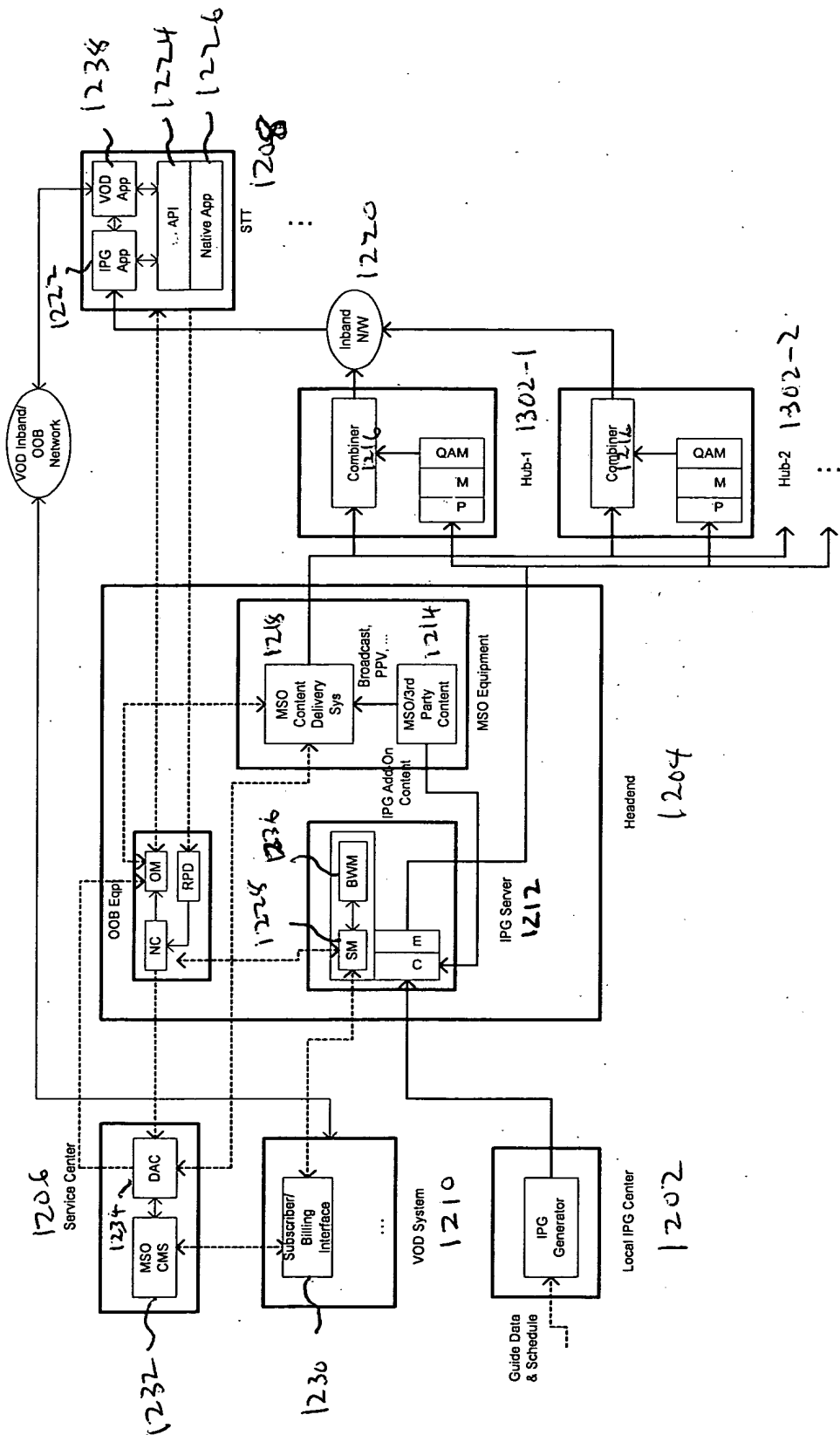


Fig. 13

1300

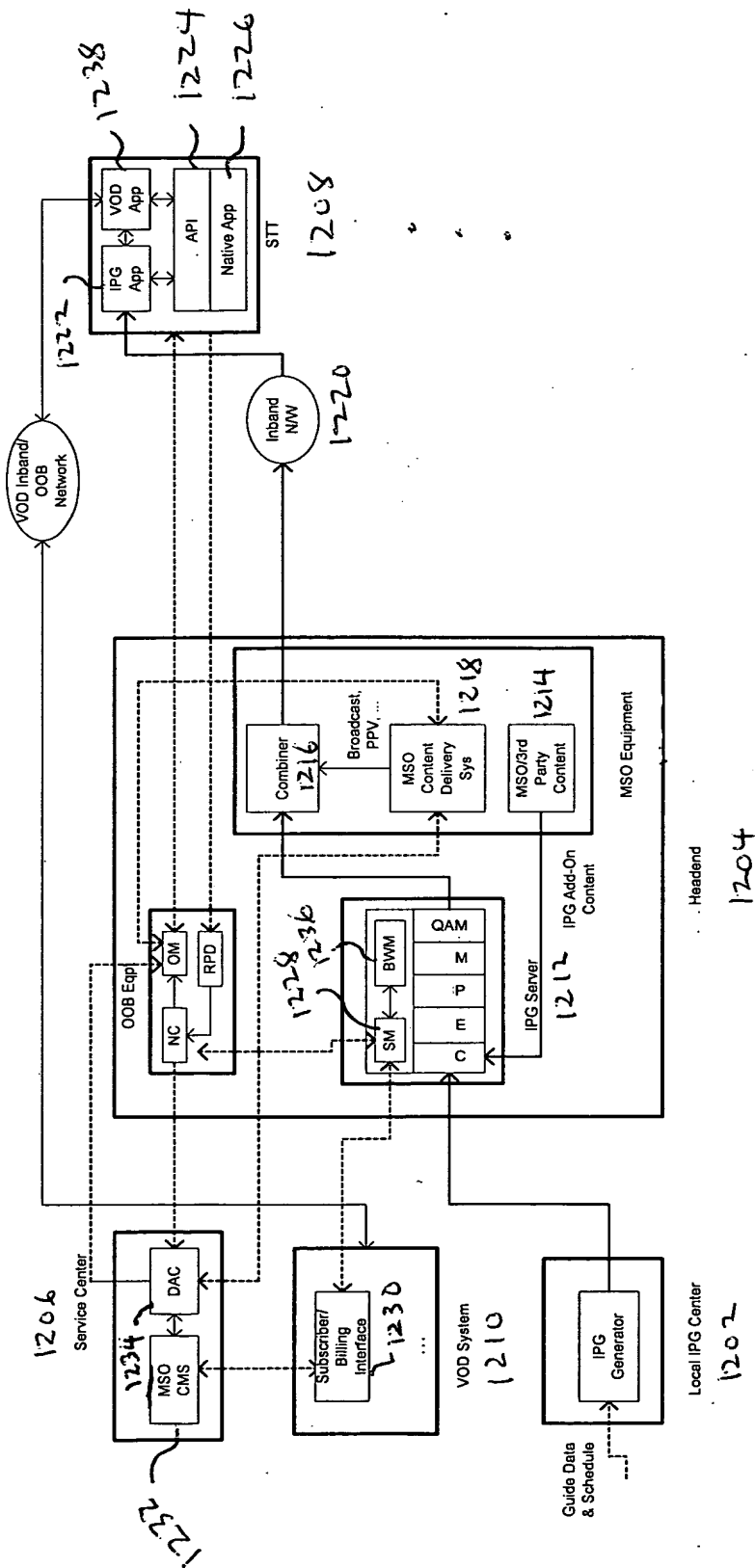


Fig. 12

1200

TSG-to-Terminal Communication:

Contents of Demand-Cast Index Table

table version number (incremented when table content changes)
list of available demand-cast streams
IP address for the source TSG
MUX channel number within the source TSG
time of day and day of week

Fig. 14

Terminal-to-SM Communication:

Message Content

demand-cast stream ID
terminal ID
IP address for the source TSG
MUX channel number within the source TSG
message information (acquisition, release, or request)

Fig. 15

[illegible]

demand-cast stream ID
MUX channel number within the source TSG
message/command (stream released, stream requested, or reset)

Fig. 17

demand-cast stream ID
MUX channel number within the source TSG
IP address for the source TSG
acknowledgment (of stream release, of stream request, or of reset)

Fig. 17

A	A	A	A	R	R	R	R	R
A	A	A	A	A	R	R	R	R
A	A	A	A	A	R	R	R	R
A	A	A	A	R	R	R	R	P
A	A	A	A	R	R	R	R	P

A: acquired streams are in mux and in demand-cast index table

R: released streams are in mux and in demand-cast index table. They can be turned into passive streams.

P: passive streams are technically released. They are not in the demand-cast index table. They are removable.



active demand-cast streams are in IPG multiplex

TSG Demand-cast Stream Status

Fig. 18

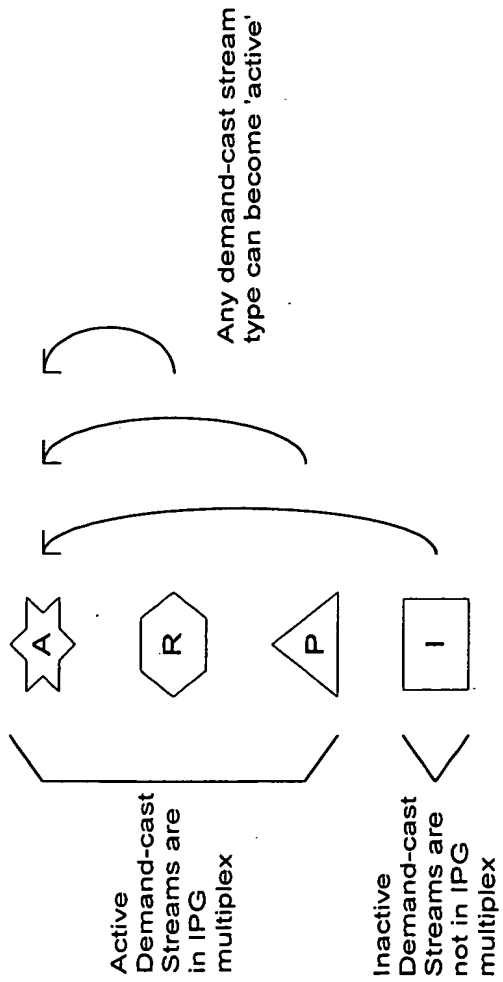


Fig. 19

